

Opinion 2389 (Case 3656) – *Cerambyx striatus* Goeze, 1777 (currently *Dorcadion glycyrrhizae striatum*) and *Cerambyx striatus* Fabricius, 1787 (currently *Chydarteres striatus*) (Insecta, Coleoptera, CERAMBYCIDAE): specific names conserved

International Commission on Zoological Nomenclature

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Abstract. The International Commission on Zoological Nomenclature has ruled that the specific name *Cerambyx striatus* Goeze, 1777 is not unavailable by reason of being originally published in a not consistently binominal work, nor is it invalid by reason of being a junior primary homonym of the name *Cerambyx striatus* Linnaeus, 1758. It has also ruled that the specific name *Cerambyx striatus* Fabricius, 1787 is not invalid by reason of being a junior primary homonym of the names *Cerambyx striatus* Linnaeus, 1758 and *Cerambyx striatus* Goeze, 1777.

Keywords. Nomenclature; taxonomy; Insecta; Coleoptera; CERAMBYCIDAE; CERAMBYCINAE; LAMIINAE; SPONDYLIDINAE; ASEMINI; DORCADIONINI; EBURIINI; TRACHYDERINI; *Cerambyx*; *Aseum*; *Dorcadion*; *Styliceus*; *Chydarteres*; *Cerambyx striatus*; *Aseum striatum*; *Dorcadion glycyrrhizae striatum*; *Chydarteres striatus*; *Styliceus sericata*; longhorn beetles; Palearctic Region; Nearctic Region; Neotropical Region.

Ruling

- (1) The International Commission on Zoological Nomenclature hereby uses its plenary power to rule that:
 - (a) the specific name *striatus* Goeze, 1777, as published in the binomen *Cerambyx striatus*, is not unavailable by reason of it being originally published in a not consistently binominal work;
 - (b) the specific name *striatus* Goeze, 1777, as published in the binomen *Cerambyx striatus*, is not invalid by reason of it being a junior primary homonym of *Cerambyx striatus* Linnaeus, 1758;
 - (c) the specific name *striatus* Fabricius, 1787, as published in the binomen *Cerambyx striatus*, is not invalid by reason of it being a junior primary homonym of the names *Cerambyx striatus* Linnaeus, 1758 and *Cerambyx striatus* Goeze, 1777;
- (2) The Commission hereby places on the Official List of Specific Names in Zoology the following names:
 - (a) *striatus* Linnaeus, 1758, as published in the binomen *Cerambyx striatus*;
 - (b) *striatus* Goeze, 1777, as published in the binomen *Cerambyx striatus*, with the endorsement that it is not unavailable by reason of being originally published in a not consistently binominal work and not invalid by reason of being a junior

primary homonym of *Cerambyx striatus* Linnaeus, 1758, as ruled in (1)(a) and (1)(b) above;

- (c) *striatus* Fabricius, 1787, as published in the binomen *Cerambyx striatus*, with the endorsement that it is not invalid by reason of being a junior primary homonym of *Cerambyx striatus* Linnaeus, 1758 and *Cerambyx striatus* Goeze, 1777, as ruled in (1)(c) above.

History of Case 3656

An application to conserve the specific names of two beetles, *Cerambyx striatus* Goeze, 1777 and *Cerambyx striatus* Fabricius, 1787, was received from Juan Pablo Botero and Mario Cupello (both from the *Museu Nacional, Universidade Federal do Rio de Janeiro, UFRJ, Quinta da Boa Vista, São Cristóvão, CEP 20940–040, Rio de Janeiro, RJ, Brazil*). After correspondence the Case was published in BZN 72(2): 122–128 on 30 June 2015 (Botero & Cupello, 2015). The title, abstract and keywords of the Case were published on the Commission's website. No comments on the Case were received.

The Case was sent for vote on 1 September 2016 (VP 2). A greater than two-thirds majority of Commissioners voted FOR the Case (21 For, 3 Against, 1 Split).

Decision of the Commission

At the close of the voting period on 1 December 2016 the votes were as follows:

Affirmative votes – 21: Aescht, Alonso-Zarazaga, Ballerio, Bogutskaya, Bouchard, Evenhuis, Grygier, Halliday, Harvey, Kottelat, Krell, Kullander, Ng, Pape, Rheindt, van Tol, Welter-Schultes, Winston, Yanega, Zhang and Zhou.

Negative votes – 3: Dmitriev, Kojima and Lamas.

Split – 1: Rosenberg FOR (1)(c), (2)(a), (2)(c); AGAINST (1)(a), (1)(b), (2)(b).

No votes were received from Bourgoïn and Pyle.

Voting FOR, Grygier recommended that the word “invalid” in proposals (1)(a) and (2)(b) of this Case as published (Botero & Cupello, 2014) should be broadened to “unavailable and thus invalid” in the Opinion, and that, in proposal (2)(b), the wording “in the not consistently binominal work” should be modified to “in a not consistently binominal work”. In addition to the present proposals, the authors should also have proposed the suppression of Voet (1778) and the placement of that work on the Official Index. Also voting FOR, Ng commented that although the nomenclatural aspects of this application were very complicated, the outcome would best serve nomenclatural stability.

Voting AGAINST, Dmitriev advocated his view for the strict application of Article 57.2 for primary homonyms. Also voting AGAINST, Kojima stated that as the word “invalid” seems to be erroneously used as a synonym of “unavailable”, the proposals do not make sense. The reason why only *Cerambyx striatus* Voet, 1778 is left unavailable is not mentioned even though the author considers that Tavakilian's (1991) synonymy is incorrect and thus *Cerambyx striatus* Voet, 1778 is a good species. Also voting AGAINST, Lamas remarked that the authors of this application admit that Goeze's (1777) work is not consistently binominal (Article 11.4). Given this situation, and since no firm resolution has been reached on the availability or non-availability of the “new” names introduced in that work, it appears superfluous to discuss the name “*Cerambyx striatus* Goeze, 1777” in the context of the present application.

SPLITTING his vote, Rosenberg remarked that the application did not present evidence that Goeze's *Cerambyx striatus* is in widespread use.

Original descriptions

The following are the original descriptions to the entries on either an Official List or an Index in the ruling given in the present Opinion:

striatus, *Cerambyx*, Fabricius, 1787: 133.

striatus, *Cerambyx*, Goeze, 1777: 464.

striatus, *Cerambyx*, Linnaeus, 1758: 396.

References

- Botero, J.P. & Cupello, M.** 2014. Case 3637. *Cerambyx striatus* Goeze, 1777 (currently *Dorcadion glycyrrhizae striatum*) and *Cerambyx striatus* Fabricius, 1787 (currently *Chydarteres striatus*) (Insecta, Coleoptera, CERAMBYCIDAE): proposed conservation of the specific names. *Bulletin of Zoological Nomenclature*, **72**(2): 122–128.
- Fabricius, J.C.** 1787. *Mantissa Insectorum, sistens eorum species nuper detectas: adiectis characteribus genericis, differentiis specificis, emendationibus, observationibus*, vol. 1. xx, 348 pp. Christ. Gottl. Proft., Copenhagen (Hafniae).
- Goeze, J.A.E.** 1777. *Entomologische Beyträge zu des Ritter Linné zwölften Ausgabe des Natursystems*. Erster theil. v–xvi, 736 pp. Weidmanns Erben & Reich, Leipzig.
- Linnaeus, C.** 1758. *Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis*. Ed. 10, vol. 1. 824 pp. Laurentius Salvius, Stockholm (Holmiae).
- Tavakilian, G.L.** 1991. Notas sinonímicas e novas combinações em longicórneos sul-americanos (Coleoptera, Cerambycidae). *Revista Brasileira de Entomologia*, **35**(2): 439–453.
- Voet, J.E.** 1778. *Catalogus systematicus Coleopterorum*. Tomus secundus. 254 pp. La Haye, Palm.